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(54) Title: METHOD AND APPARATUS IN A FLUIDIZED BED HEAT EXCHANGER

## (57) Abstract

A method and an apparatus in a fluidized bed heat exchanger (10) comprising a heat exchange chamber (12) having a fluidized bed (14) of solid particles, heat transfer surfaces (30), an inlet (24) and an outlet (34) arranged above the bed of solid particles. Particles are fed through the inlet onto the upper surface (28) of the bed of solid particles by a guiding channel (26). The guiding channel extends from above the upper surface of the bed of solid particles to the surface thereof or below the surface and passes the solid particles to the restricted area (28') of the surface. The outlet (34) is also formed in the area of the guiding channel to remove particles from the area delimited by the guiding channel. Uncooled particles can thus be removed from the heat exchange chamber.

